There Is No Largest Prime Number

Euclid of Alexandria
euclid@irob.uni-obuda.hu

Óbudai Egyetem
Pro Sciencia et Futuro

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Bejczy Antal iRobottechnikai
Központ

Outline

1. Newest results of Euclid:
   There Is No Largest Prime Number

2. Examples for figures/mathematical formulas

3. Language options

4. "Thank you for attention!" frame

There Is No Largest Prime Number
The proof uses *reductio ad absurdum*.

Theorem: No largest prime number
There is no largest prime number.

1. Suppose p were the largest prime number.
2. Let q be the product of the first p numbers.
3. Then $q + 1$ is not divisible by any of them.
4. But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.